scope description visual basic logigrammm algorigramm Home ELECTRONIC DESIGN ENGINEER ELECTRONIC DESIGN ENGINEER De Lorenzo SPA, a leading Italian company and one of the top in the world in the design, development, and production of educational equipment for technical and vocational training, is seeking for its headquarters in Rozzano (MI): ELECTRONIC DESIGN ENGINEER The candidate will be responsible for electronic and electromechanical projects, from the analysis of project requirements to prototype validation; will coordinate the activities of designers (internal/external) and support the Sales department in the analysis of tender specifications. The candidate will collaborate with the technical manager and the production manager in preparing the technical tender specification and will monitor the progress of projects, keeping quality, costs, and delivery times under control. The candidate will also be responsible for coordinating all after-sales technical support activities with customers. Requirements: Ability to work independently and meet targets. Flexibility in interacting with different types of internal/external stakeholders. Strong interpersonal skills. Teamwork and problem-solving capabilities. At least 3/4 years of experience as a designer in technical departments of small/medium-sized companies. Good knowledge of English (spoken and written). Good communication skills. Valid driver’s license (category B). Availability for occasional national and international travel. Preferred qualifications: Residence within 20/30 km from the workplace – ROZZANO (MI). Required education: Master’s degree in electronic/electrical engineering with specialization in circuit electronics. . Milano 410012

Here's a tailored scope description integrating **Visual Basic**, **logigramme**, and **algorigramme** logic into the role of an **Electronic Design Engineer** at De Lorenzo SPA:

□ Scope Description: Visual Basic, Logigramme & Algorigramme Integration

Role: Electronic Design Engineer **Location:** Rozzano (MI), Italy **Company:** De Lorenzo SPA – Global leader in educational equipment for technical and vocational training

□ Objective

To enhance the design, development, and lifecycle management of electronic and electromechanical educational systems by embedding modular logic frameworks—Visual Basic automation, logigramme process mapping, and algorigramme decision modeling—into project workflows, tender analysis, and after-sales support.

🔧 Technical Scope

1. Visual Basic for Applications (VBA) Integration

- Automate design documentation, prototype validation logs, and technical tender specifications.
- Develop UserForms for internal/external designer coordination, milestone tracking, and quality audits.
- Implement macro-driven dashboards for cost control, delivery timelines, and post-sales diagnostics.

2. Logigramme Logic (Process Mapping)

- Map end-to-end workflows for:
  - Tender analysis and specification breakdown
  - Internal design coordination and prototype iteration
  - Customer support escalation and resolution tracking
- Ensure traceability and modularity in project progress monitoring.

3. Algorigramme Logic (Decision Trees)

- Model decision paths for:
  - Component selection and circuit optimization
  - Compliance checks against tender requirements
  - Risk assessment and corrective action planning
- Embed decision logic into Visual Basic modules for real-time validation and reporting.

🤝 Cross-Functional Collaboration

- **Sales Department:** Support tender analysis with logic-driven breakdowns and automated compliance matrices.
- **Technical & Production Managers:** Co-develop specification documents using logigramme workflows and algorigramme decision paths.
- **Customer Support:** Coordinate post-sales activities with VBA-powered feedback forms and resolution trackers.

📈 Outcomes

- Streamlined project lifecycle from requirement analysis to prototype validation.
- Enhanced auditability and modularity in technical documentation.
- Improved responsiveness to tender specifications and customer feedback.

- Scalable logic frameworks for future product lines and international deployments.

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